

U.S. Department of Commerce, Patent and Trademark Office <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center; margin-right: 10px;"> OIPE NOV 08 2005 PATENT & TRADEMARK OFFICE </div> <div> LIST OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary) </div> </div>				Docket No.: 7676/SYNX/JW		Serial No.: 10/650,480	
				Applicants: Michael R. Rice, et al			
				Filing Date: August 28, 2003		Group: 3652 3661	

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
m.m.	US-1	4,006,813	Rene Fluck				
	US-2	4,166,527	Earl F. Beezer				
	US-3	4,222,479	Dugan, et al.				
	US-4	4,294,344	Johannes D. van Maanen				
	US-5	4,450,950	James C. Foote, Jr.				
	US-6	4,538,720	Jean-Louis Limousin				
	US-7	4,552,261	Raudat, et al.				
	US-8	4,584,944	Clarence A. Dehne				
	US-9	4,653,630	Anna Bravin				
	US-10	4,679,685	Kenji Inoko				
	US-11	4,702,365	Chong-II Pak				

Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
m.m.	F-1	JP 02098157 A	04/10/90	Japan			Abstract	
	F-2	JP 00062949 A	02/29/00	Japan			Abstract	
	F-3	JP 00335799 A	12/05/00	Japan			Abstract	
	F-4	WO 97/09256 A1	03/13/97	PCT			Abstract	
	F-5	WO 00/69724 A1	11/23/00	PCT			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
m.m.	OT-1	Virvalo, T.K., "Cylinder Speed Synchronization", Dec. 1978, Hydraulics and Pneumatics, Vol. 31, No. 12, pages 55-57.
	OT-2	Cheng, et al., "Adaptive Synchronization Control of a Robotic Manipulator Operating in an Intelligent Workcell", April 1990, IEEE Transactions on Industrial Electronics, Vol. 37, No. 2, pages 119-126.
	OT-3	Shih-Hung Li, et al. "An Ultrahigh Speed Assembly Robot System. Part I. Design", 1994, Proceedings 1994 Japan-U.S.A. Symposium on Flexible Automation - A Pacific Rim Conference, Vol. 2, pages 465-72.

Examiner <i>McDowell</i>	Date Considered 2-13-06
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m.m.	US-12	4,708,727	11/24/87	Cardenas-Franco, et al.			
	US-13	4,720,006	01/19/88	Harald Lenherr			
	US-14	4,750,605	06/14/88	Brems, et al.			
	US-15	4,852,717	08/01/89	Ross, et al.			
	US-16	4,901,843	02/20/90	Jeffrey A. Lashyro			
	US-17	4,921,092	05/01/90	Crawford, et al.			
	US-18	5,052,544	10/01/91	David L. Anderson			
	US-19	5,092,450	03/03/92	Schommartz, et al.			
	US-20	5,123,518	06/23/92	Ernest H. Pfaff			
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	US-22	5,560,471	10/01/96	Prochut, et al.			

Foreign Patent Documents							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
m.m.	F-6	EP 0717717 B1	07/07/99	EPO			X	
	F-7	EP 00735927 B1	11/03/99	EPO			Abstract	
	F-8	EP 00912426 B1	08/09/00	EPO			Abstract	
	F-9	EP 0277536 A1	08/10/88	EPO			Abstract	
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m.m.	OT-4 Roberts, et al., "Feed Chute Geometry for Minimum Belt Wear", Sept. 1998, 6th International Conference on Bulk Materials Storage, Handling and Transportation, pages 153-159.
	OT-5 Saigo, et al., "Drive Control Systems for Processing Lines", 11/10/2000, Fuji Jiho (Fuji Electric Journal), Vol. 73, No. 11, pages 45-49, Japanese language (Abstract only).
	OT-6 Saigo, K., "Variable-speed Drive Systems for Industrial Plants", 11/10/2000, Fuji Jiho (Fuji Electric Journal), Vol. 73, No. 11, pages 10-14, Japanese language (Abstract only).

Examiner <i>McDiarmid Marc</i>	Date Considered 2-13-06
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m.m	US-23	5,653,327	08/05/97	Buday, Jr., et al.			
	US-24	5,664,254	09/02/97	Ohkura, et al.			
	US-25	5,782,338	07/21/98	Schuster, et al.			
	US-26	5,797,249	08/25/98	Thomas Patterson Hartness			
	US-27	5,829,574	11/03/98	Mario DelSanto			
	US-28	5,865,292	02/02/99	Aguilar, et al.			
	US-29	5,887,701	03/30/99	Mario Spatafora			
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	US-31	6,223,887	05/01/01	Naoyuki Andou			
	US-32	6,227,346	05/08/01	Lecomte, et al.			
	US-33	6,227,348	05/08/01	Frei, et al.			

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F-11								
F-12								
F-13								
F-14								
F-15								

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m.m	OT-7 Park, et al., "Task Sequence Optimization for a Dual-Robot Assembly System using Evolutionary Algorithms", 2001, Proceedings of the Institution of Mechanical Engineers, Part B (Journal of Engineering Manufacture), Vol. 215, No. B6, pages 835-46.
	OT-8
	OT-9

Examiner McDiarmid Marc	Date Considered 2-13-06
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m.m.	US-34	6,234,300	05/22/01	De Vos, et al.			
	US-35	5,110,249	05/05/92	Arthur E. Norman			
	US-36	6,036,426	03/14/00	Gary Hillman			
	US-37	6,183,186	02/06/01	Peltola, et al.			
	US-38	4,401,522	08/30/83	Buschow, et al.			
	US-39	4,534,843	08/13/85	Hirbour, et al.			
	US-40	4,540,088	09/10/85	John C. Bergh			
	US-41	4,650,264	03/17/87	Dean L. Dahnert			
	US-42	4,775,046	10/04/88	Gramarossa, et al.			
	US-43	6,235,634	05/22/01	Law, et al.			
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F-17								
F-18								
F-19								
F-20								

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OT-10	
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m m	US-45	2003/010449	01/16/03	Gramarossa, et al.			
	US-46	1,639,758	08/08/27	Jervis B. Webb			
	US-47	1,906,036	04/08/33	William E. Wunderlich			
	US-48	2,153,071	04/08/39	Leonard J. Bishop			
	US-49	2,949,996	08/08/60	Roger Tonelli			
	US-50	3,058,604	10/08/62	Harper, et al.			
	US-51	3,131,801	05/08/64	Augusto Marchetti			
	US-52	3,184,032	05/08/65	John Petter Ingemar Jonsson			
	US-53	3,587,817	06/08/71	Bornstein, et al.			
	US-54	3,610,448	10/08/71	Ulrich Bornfleth			
	US-55	4,730,733	03/08/88	Kawamura, et al.			

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F-21								
F-22								
F-23								
F-24								
F-25								

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OT-13	
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Examiner <i>McDiarmid</i>	Date Considered <i>02-13-06</i>
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	August 28, 2003	3652 3661

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*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
m-m	US-56	4,936,438	06/08/90	Glenn Wainco	—	—	—
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	US-63						
	US-64						
	US-65						
	US-66						

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	F-26							
	F-27							
	F-28							
	F-29							
	F-30							

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OT-16	
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Examiner	Date Considered
mcdiannelmarc	2-13-06
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